	Application No.	Applicant(s)	
	09/845,950	WANG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Cicely Ware	2634	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>amendment filed on 24 September 2004</u> .			
2. The allowed claim(s) is/are <u>1-48</u> .			
3. The drawings filed on <u>24 September 2004</u> are accepted by the Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL I FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the AL MATERIAL	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PTO-152)	
2. \square Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary		
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	Paper No./Maii Da 08), 7. ☐ Examiner's Amendr	Paper No./Mail Date 7.	
4. Examiner's Comment Regarding Requirement for Deposit		ent of Reasons for Allowance	
of Biological Material	9. Other	•	
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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The instant application discloses a method of recovering information encoded in a spread spectrum signal transmitted in a communications medium. Prior art references show similar methods (Wang et al. US Patent 6,125,137 and Cahn et al. US Patent 6,198,765) but fail to teach: "a method of recovering information encoded in a spread spectrum signal transmitted in a communications medium, the method comprising, receiving at least one multipath version of a composite signal including the spread spectrum signal from the communications medium; selecting a set of time-offsets; correlating the composite signal with a spreading sequence at each of the time-offsets in the set of time-offsets to produce a first set of time-offset correlations of the composite signal with the spreading sequence: correlating the composite signal with a traffic spreading sequence at each of the time-offsets in the selected subset of the time-offsets to produce a plurality of traffic correlations; combining the plurality of traffic correlations using a weighted combination to estimate information encoded in the transmitted spread spectrum signal", by using "estimating noise correlation among the time-offset correlations to produce noise correlation estimates; selecting a subset of the time-offsets from the set of timeoffsets based on the noise correlation estimates", as in claims 1, 25, 28 and 36. Cahn et al. however discloses a noise correlation estimation based on the time of arrival of multipath signals, as early and late correlations. "a noise correlation estimation circuit that estimates noise correlation", as in claims 30 and 43.

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047. The examiner can normally be reached on Monday – Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Cicely Ware

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